

WHAT IS CLAIMED IS:

1. A process for setting up the execution of a server-side method by a client-side data processing system, comprising:
 - creating an API on the server side for a server-side software method;
 - automatically creating a JavaScript program that contains calls to the server-side software method in accordance with the API; and
 - sending the created JavaScript program to the client side.
2. The process of claim 1, further including executing the JavaScript on the client side to call the server-side software method.
3. The process of claim 2, wherein executing the JavaScript includes creating a Java object having a same name as a server-side Java bean.
4. The process of claim 2, wherein the JavaScript is executed by a non-modified standard browser program.
5. The process of claim 1, further including initially registering the server-side method on the server side, wherein the identifying includes identifying the registered server-side methods.
6. The process of claim 5, wherein no methods are specified, thereby identifying all methods of a bean.
7. The process of claim 5, wherein a subset of methods are specified, thereby identifying the subset of methods.
8. The process of claim 5, wherein registration is performed using JSP tags.

9. The process of claim 1, the API identifying parameters of the method.
10. The process of claim 1, further comprising allowing specification of which server-side methods are included in the API.
11. The process of claim 1, wherein the method is a method in a Java bean.
12. The process of claim 2, wherein executing the JavaScript includes converting the parameters sent to the server side.
13. The process of claim 2, wherein executing the JavaScript includes converting results sent from the server side.
14. The process of claim 2, where executing the JavaScript further includes using SOAP calls to invoke the server-side method.
15. The process of claim 2, where executing the JavaScript further includes using SOAP protocol to return results from the server-side method.
16. The process of claim 1, wherein the JavaScript includes JavaScript instructions for:
 - declaring public methods for a current session;
 - setting up SOAP requests for each server-side method; and
 - instantiating JavaScript objects on the client-side that correspond to server-side objects.
17. A process for executing a server-side method by a client-side data processing system, performed by the client-side data processing system and comprising:

receiving a JavaScript program that is automatically created by the server-side and that contains calls to the server-side software method in accordance with an API; and

executing the JavaScript on the client side to call the server-side software method.

18. The process of claim 17, further including passing parameters to the server-side method when the JavaScript is executed on the client side.

19. The process of claim 17, further including receiving results from the server-side method when the JavaScript is executed on the client side.

20. An apparatus for setting up the execution of a server-side method by a client-side data processing system, comprising computer instructions being executed by a processor, portions of the instructions comprising:

a portion for creating an API on the server side for a server-side software method;

a portion for automatically creating a JavaScript program that contains calls to the server-side software method in accordance with the API; and

a portion for sending the created JavaScript program to the client side.